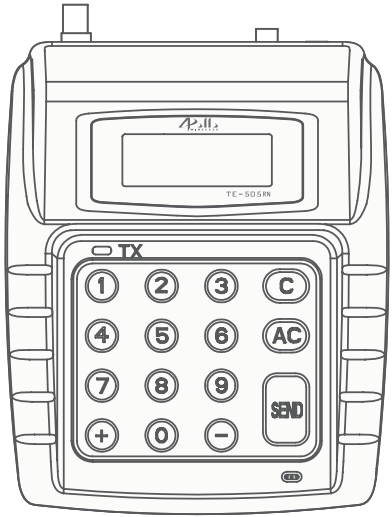
English

Desktop POCSAG Transmitter
TE505RN User Manual



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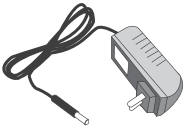
Introduction

TE-505RN is more than just a POCSAG transmitter but also built-in programmer inside. For most users, programming software is quite a challenge while being familiar with whole system at beginning. **TE-505RN** is built for user friendly with simple interface. It shortens not only learning curve but very accessible for everyone in any circumstance. You can choose to pre-program total 30 sets canned messages for various purposes.

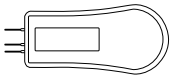
Getting Started

Accessory Preparedness

BNC Antenna

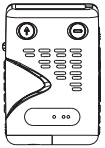


AC Adapter (9V/2.2A with European/ American plug)

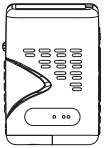


Programming kit for **TE-505RN**

Compatible Pager

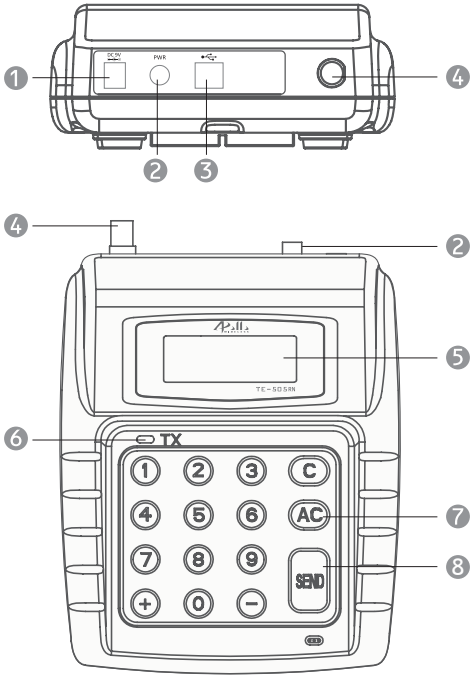


AL-A01



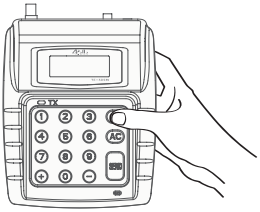
AL-A03 With LCD

Overview



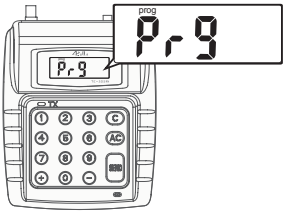
1. DC input
2. Power switch
3. USB port with Type - B
4. Antenna connect
5. LCD display
6. Transmitting indicator
7. All clear button
8. SEND button

1. Programming Mode



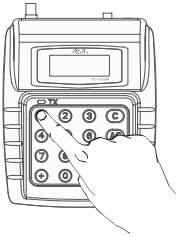
Hold “C” button on **TE-505RN** panel.

Do not release "C" button until turn on the power.

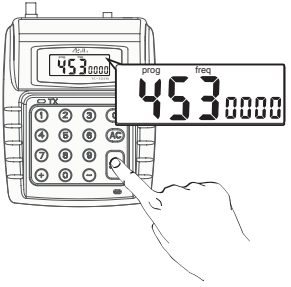


Display shows "Prg" that means you're in *programming mode*.

2. Set Frequency



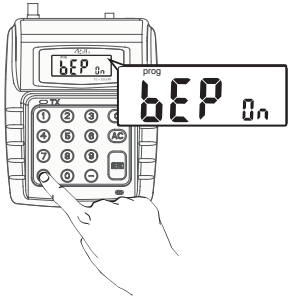
In *programming mode*, press “1” button to set frequency for tone only pager.



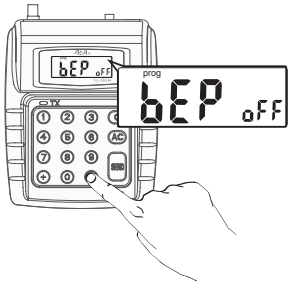
Enter frequency number then press “SEND” button. For example, 453.00 MHz press 4-5-3-0-0-0-0 then press "SEND" button to save the setting.

3. Enable Beep Tone

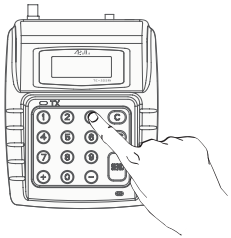
Press "AC" button to escape any sub-setting in *programming mode.*
Press "2" to enter Beep Tone setting.



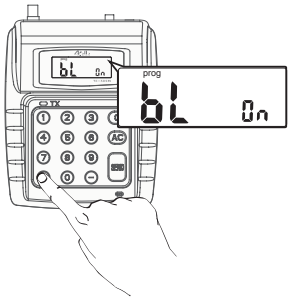
Use "+" or "-" button to switch on/off beep tone.
Press "SEND" button to save the setting.



4. Enable Back Light

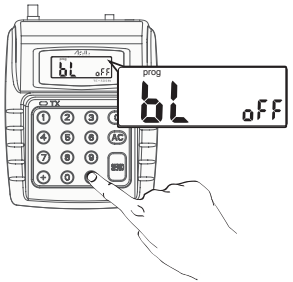


In *programming mode*, press "3" to enter LCD Backlight setting.



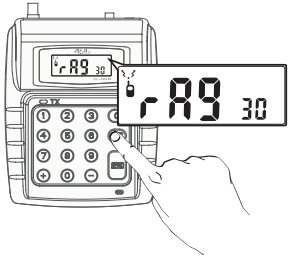
Use "+" or "-" button to switch on/off the LCD backlight in **TE-505RN.**

Press "SEND" button to save the setting.



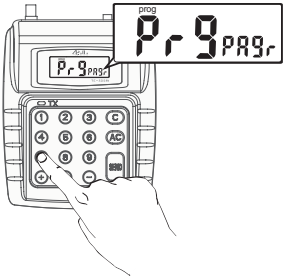
5. Pager Range Test

Press "5" to enter Range Test mode.

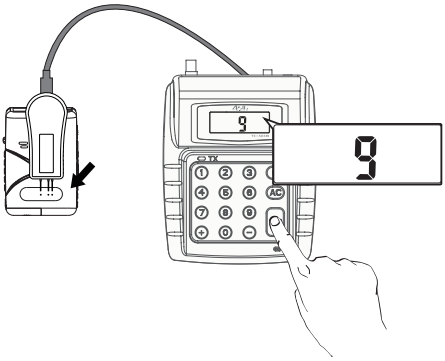


TE-505RN will transmit signal for every 30 seconds until moving to places where pagers won't be reponsive anymore. That's roughly the limitation of coverage for **TE-505RN.**

6. Pager Programming



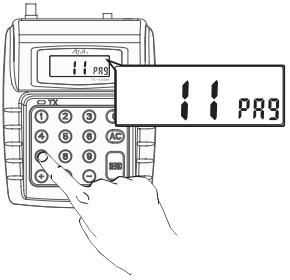
Press "7" to Pager Programming mode.

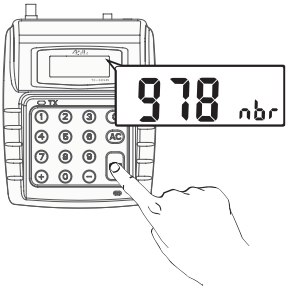


Enter any number from 1 to 100 then insert programming kit into the programming hole of pager. Press "SEND" button and hold programming kit firmly until hearing long beep that stands for programming accomplished. Otherwise, you shall hear three short beeps.

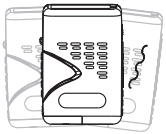
★ **Be sure to reboot pagers and transmitter after programming.**

Single Page

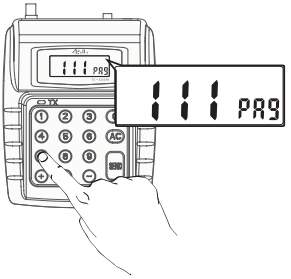




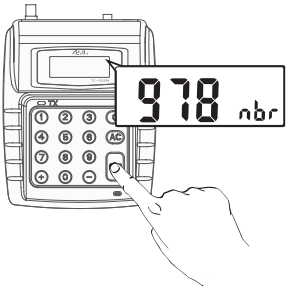
TE-505RN is used to page numeric pager. Press the number button to assign which pager that has the same number as you dial. For example, enter “9-7-8” buttons and then press “SEND” after inputting numeric message for transmission. Other than that, press “AC” button to clear number on display. Press “C” button to delete the last number on display.



Group Page

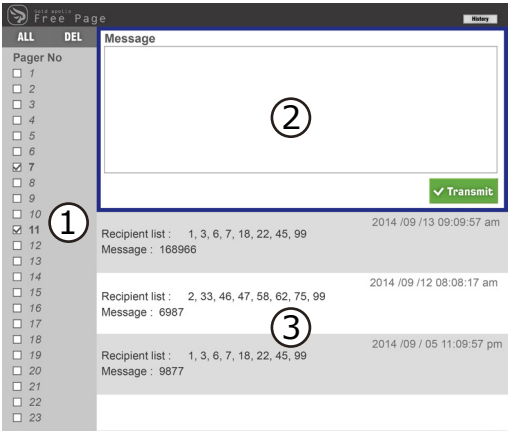


In order to page all programmed pagers, enter “1-1-1” then enter numeric message e.g. 9-7-8 and press "SEND" button for confirmation. Make sure that programmed pagers have same frequency and share same system code in **TE-505RN**.



Operation

Send message by Free Page (PC)



1. Select either single or multiple pagersto page. Be sure the targeting pagers must be programmed in advance.
2. Type any desired text and click "Transmit" to send message.
3. Sent messages would be listed in this area. Otherwise, check all records in "History". They can be exported as csv file by Microsoft Excel.

Programming Table

Key	Screen 1	Screen 2	Function
			Programming mode
1			Frequency setting
2			Key tone setting: Enable or Disable
3			Backlight setting: Enable or Disable
5			Range test setting
7			Pager programming

Specification

Dimension (mm)	154 (L) x 190 (W) x 64 (H) mm
Weight (with battery)	390g
Output Power	1W (max)
Frequency range TX	VHF 135~174MHz UHF 430~470MHz
Channel Spacing	12.5 KHz / 25 KHz
Maximum Deviation	±2.5KHz / ±4.5KHz
Harmonic Radiation	60dBc or less -36dBm
Frequency Stability	±3.0 ppm at -10°C~+60°C
Output Connect	BNC (F)
Numeric	●

Make sure to read this manual before using the machine.
Please keep it in hand for future reference.

765-00015-0